Homework 2 Database concepts Unit 4 Exchanging data



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1.	Define the following terms:		
	(a) Entity	[1]	
	(b) Primary key	[1]	
	(c) Secondary key	[2]	
	(d) Foreign key	[2]	
2.	A cinema club shows up to three screenings of films on a given day. They need a database to keep track of which films have been shown on which dates. It has been suggested that they use one table (relation) about the films they show, which will hold the following data: FilmID, Title, Duration, Male Lead, Female Lead, Date shown, Time shown, Tickets sold.		
	(a) Give a reason why this is not a satisfactory solution.	[1]	
	(b) Show how the data could be reorganised into four relations, using the notation		
	Entity name (attribute1, attribute2, attribute3)		
	An underscore indicates the primary key. The entities that have been identified are Film, Actor, ActorInFilm and Show [8]	ving.	

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(c) Identify one foreign ke	ey and one composite key in any of the r	elations. [2]
	elationship diagram below to show the de the entities (one-to-many, etc.)	egree of the [3]
Film	ActorInFilm	
Showing	Actor	

[Total 20 Marks]